Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/02/2018 11:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125203	0	1.48	125045	1.44
Blue	F	SSC	125000	123833	-1	3.21	124037	3.08
Blue	E	FITC	23615	22598	-5	2.59	1010	10.45
Blue	D	PE	26739	26333	-2	2.14	947	9.88
Blue	B	PerCP-Cy5-5	48339	47266	-3	3.54	1356	17.17
Blue	A	PE-Cy7	45021	44401	-2	5.33	690	36.06
Red	C	APC	53064	51881	-3	2.79	2975	9.81
Red	A	APC-Cy7	57175	56026	-3	2.78	1165	11.18
Violet	B	V450	14728	13783	-7	5.12	658	9.57
Violet	A	V500	58621	56253	-5	5.03	2490	7.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19309	2.22	606	-8	N/A	N/A	Pass
Blue	F	SSC	61219	1.50	548	2	N/A	N/A	Pass
Blue	E	FITC	111	39.30	542	-6	0.0198	112	Pass
Blue	D	PE	206	28.88	534	-2	0.1551	219	Pass
Blue	B	PerCP-Cy5-5	212	45.04	631	-4	0.0097	70	Pass
Blue	A	PE-Cy7	73	121.30	690	-3	0.0114	13	Pass
Red	C	APC	345	28.14	599	2	0.0186	17	Pass
Red	A	APC-Cy7	127	42.17	581	1	0.0057	2146	Pass
Violet	B	V450	81	42.12	461	-9	0.0467	1948	Pass
Violet	A	V500	181	23.45	489	-8	0.0158	756	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.78	-31.36	0.92
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	17.20	14.40 - 21.60	N/A	N/A	31.12	31.50	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10777

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments